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FROM :

20 October 1958

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SUBJ: Status Report of Granger Associates Countermeasures Repeater

1. The following is the initial status report on the Granger Mod 504 Flight Test Program. Submission is in accordance with Section VII of Proposed Environmental and Functional Flight Test Program for Granger Associates Countermeasures Repeater, dated 7 October 1958, copies of which have been forwarded to Headquarters.

2. Delivery of the electronics portion of the Repeater Mod 504 by Granger to WRSP-IV for flight testing is now expected after 22 October 1958. Granger advises that an initial demonstration of the electronics may be held at Palo Alto, California, on 21 October 1958. It is planned that Mr. Cecil Hinson will represent WRSP-IV at the demonstration.

3. The Mod 504 metal container being developed by Lockheed Aircraft Corp. is undergoing redesign. Positive pressurization of 3.5 psi differential will be incorporated. Larger ducts are being installed in the U-2 tail section to provide additional ram air to meet the electronics cooling requirement. The two antennas are being externally mounted to provide better signal radiation, and this necessitates design of a new radome.

4. Installation of radar gear at Indian Springs that will provide the ground based fire control system used in Phase I testing is estimated to be completed by 24 October 1958. This date is acceptable to the test program.

5. It is possible that Phase I testing could commence at WRSP-IV by 23 - 24 October 1958. However, this is considered to be a very unrealistic date. A more realistic date for planning purposes can be forecast after the results of the Granger initial demonstration at Palo Alto are known. Headquarters will be advised of the results immediately upon completion of the demonstration.

Lt Colonel, USAF

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25 YEAR RE-REVIEW

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L.S.
S.M.
E.P. MR
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For your information
and comment

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